

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference P16112PCT	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/US2004/016585	International filing date (<i>day/month/year</i>) 26/05/2004	(Earliest) Priority Date (<i>day/month/year</i>) 16/06/2003
Applicant INTEL CORPORATION		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.

2. Certain claims were found unsearchable (See Box II).

3. Unity of invention is lacking (see Box III).

4. With regard to the title,

the text is approved as submitted by the applicant.

the text has been established by this Authority to read as follows:

NO DOCKETING REQUIRED
N.A.

5. With regard to the abstract,

the text is approved as submitted by the applicant.

the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the drawings,

- a. the figure of the drawings to be published with the abstract is Figure No. 3

as suggested by the applicant.

as selected by this Authority, because the applicant failed to suggest a figure.

as selected by this Authority, because this figure better characterizes the invention.

- b. none of the figures is to be published with the abstract.

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INTERNATIONAL SEARCH REPORT

International Application No
PCT/US2004/016585

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G06F9/445 H03M7/30

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 G06F H03M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC, COMPENDEX, IBM-TDB

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 999 989 A (PATEL ET AL) 7 December 1999 (1999-12-07) claims 1-37 ----- US 5 901 310 A (RAHMAN ET AL) 4 May 1999 (1999-05-04) the whole document ----- GB 2 276 257 A (* ICL SYSTEMS AB) 21 September 1994 (1994-09-21) page 4, line 13 - page 5, line 11 page 6, line 16 - line 29 page 9, line 6 - page 11, line 18 page 14, line 11 - line 23 ----- -/-	1-30 1-30 1-30

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

Date of the actual completion of the international search

16 September 2005

Date of mailing of the international search report

06/10/2005

Name and mailing address of the ISA

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INTERNATIONAL SEARCH REPORT

International Application No
PCT/US2004/016585

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	DAVID J: "Security in a Flash" COMPUTERS & SECURITY, ELSEVIER SCIENCE PUBLISHERS. AMSTERDAM, NL, vol. 22, no. 1, January 2003 (2003-01), pages 29-33, XP004410375 ISSN: 0167-4048 the whole document -----	1-30
A	"FIRMWARE IMAGE COMPRESSION" IBM TECHNICAL DISCLOSURE BULLETIN, IBM CORP. NEW YORK, US, vol. 38, no. 4, 1 April 1995 (1995-04-01), pages 89-90, XP000516080 ISSN: 0018-8689 the whole document -----	1-30
A	PATENT ABSTRACTS OF JAPAN vol. 2003, no. 04, 2 April 2003 (2003-04-02) & JP 2002 358207 A (YAMAHA CORP), 13 December 2002 (2002-12-13) abstract -----	1-30

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Information on patent family members

International Application No
PCT/US2004/016585

Patent document cited in search report	Publication date	Patent family member(s)			Publication date
US 5999989	A 07-12-1999	NONE			
US 5901310	A 04-05-1999	NONE			
GB 2276257	A 21-09-1994	FI	941288 A		20-09-1994
		SE	515082 C2		05-06-2001
		SE	9300914 A		20-09-1994
JP 2002358207	A 13-12-2002	NONE			

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